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13281 U.S. PTO

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November 6, 2003

CUSTOMER NO. 23911

**Box PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: New U.S. Patent Appln.  
Our Ref: 038871.52853US

Sir:

Transmitted herewith for filing is the patent application of: **Pan HUAIYU; Timothy HUGHES and Keith WHITE**

entitled: **A PULSE TUBE REFRIGERATOR**

Enclosed are:

1. Specification, including 17 Claims (pages 1-15).
2. 11 Sheets of drawings showing Figures 1-10.
3. X Information Disclosure Statement and PTO-1449 w/3 references.
4. Priority is being claimed under 35 U.S.C. §119 and 37 C.F.R. §1.55 based on Priority Document 0226000.8, filed in Great Britain on 07 November 2002 (07.11.2002).
5. The filing fee has been calculated as shown below:

Basic Fee							
Total Claims	<u>17</u>	-	<u>20</u>	=	<u>0</u>	X	\$385/770 = \$770.00
Independent Claims	<u>1</u>	-	<u>3</u>	=	<u>0</u>	x	\$9/18 = \$
Multiple Dependent Claim Presented							\$43/86 = \$
Total Filing Fee							\$145/290 = \$
							<u>\$770.00</u>

**The filing fee is being deferred at this time.**

Respectfully submitted,

Gary R. Edwards  
Registration No. 31,824

GRE:kms

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